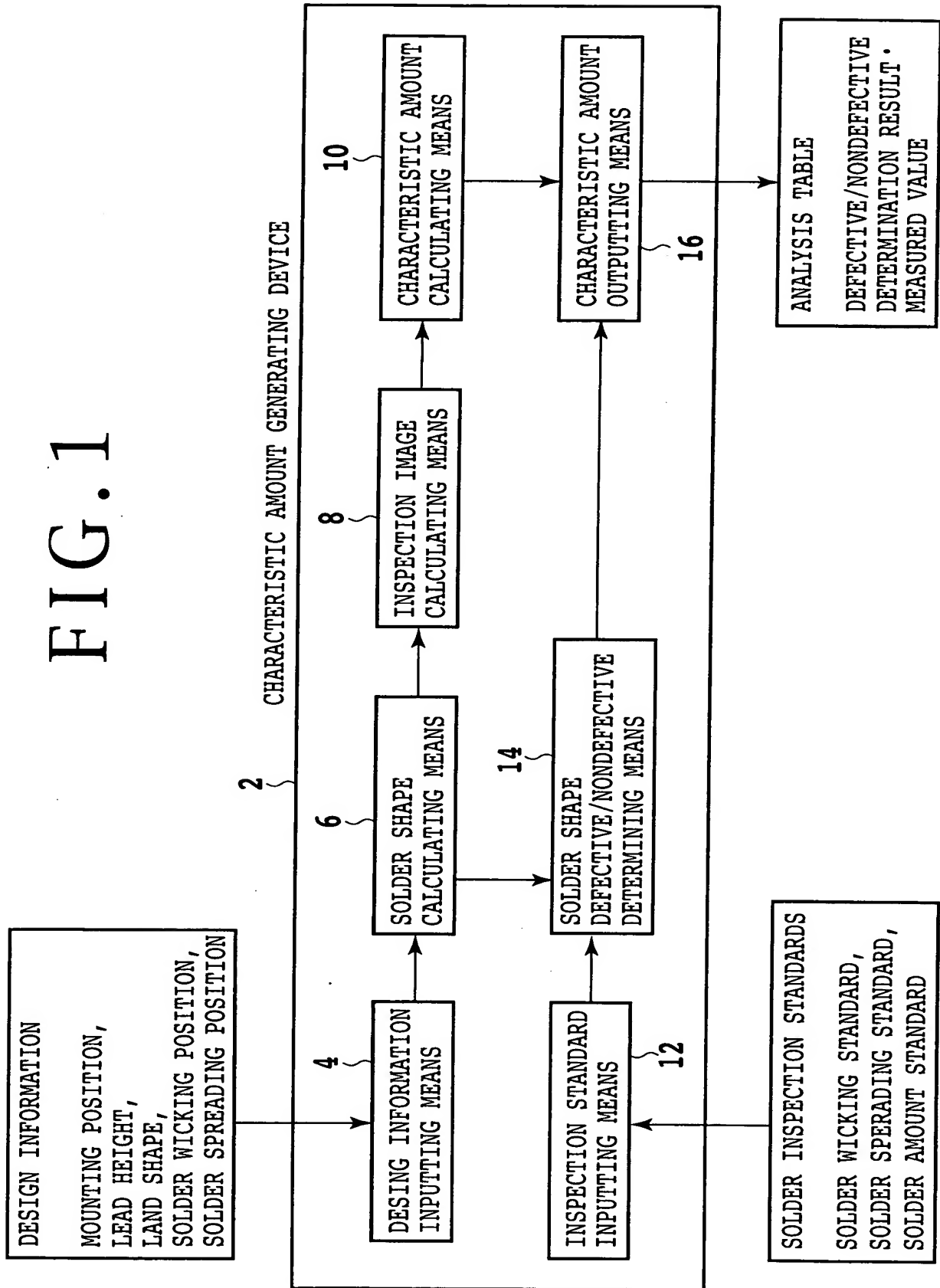


FIG. 1



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FIG. 2

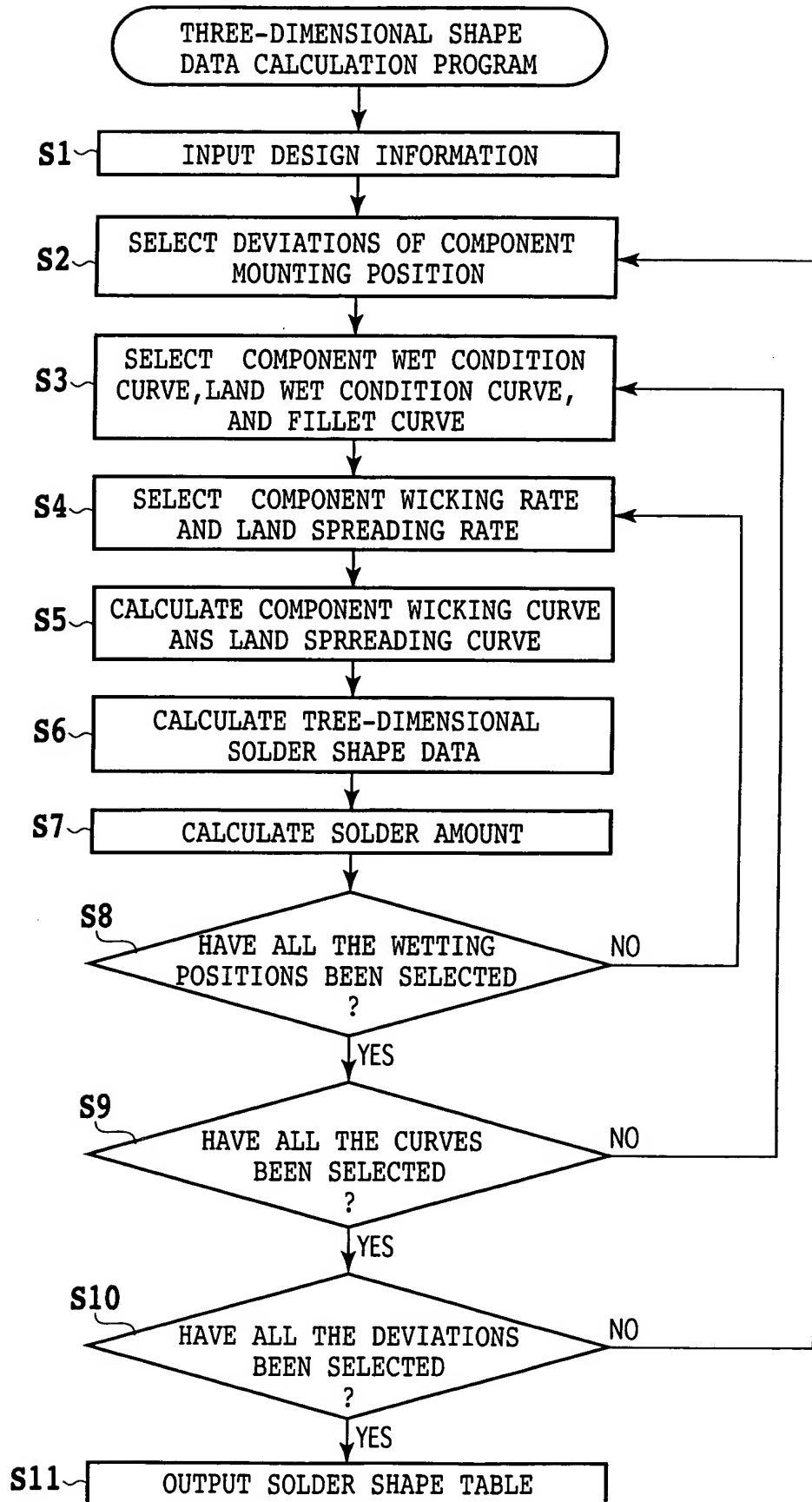


FIG. 3

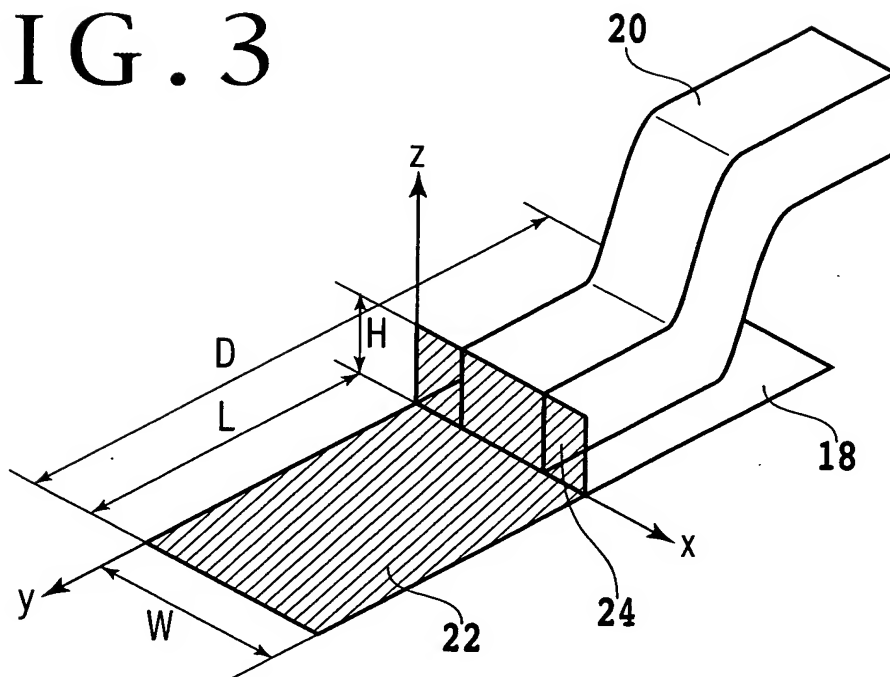


FIG. 4

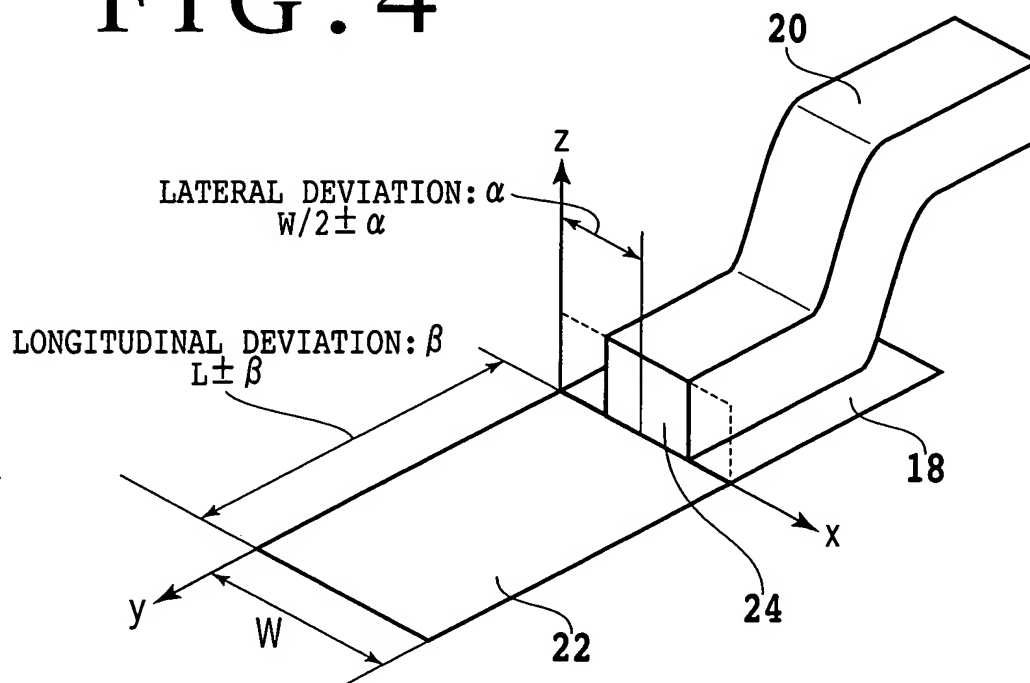
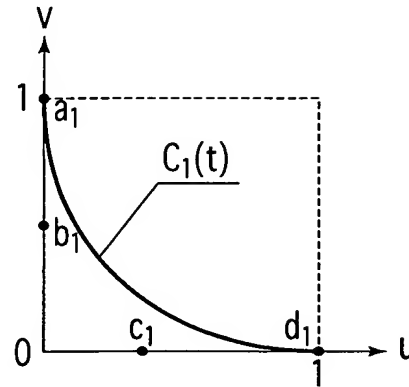
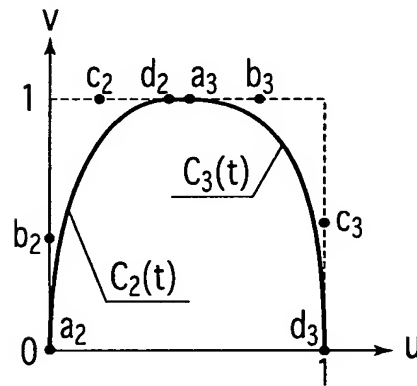


FIG. 5 A



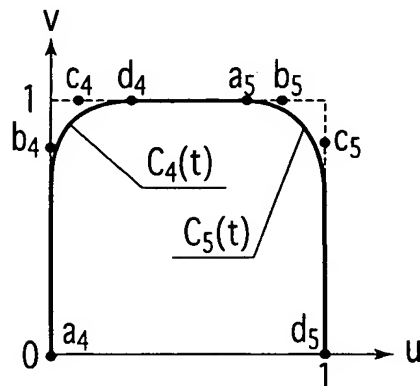
FILLET CURVE : $F_1(u)$

FIG. 5 B



COMPONENT WET CONDITION CURVE : $F_2(u)$

FIG. 5 C



LAND WET CONDITION CURVE : $F_3(u)$

FIG. 6A

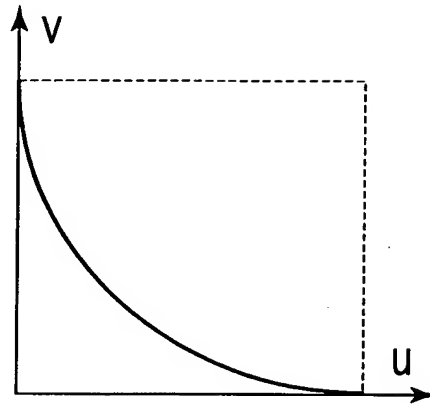


FIG. 6B

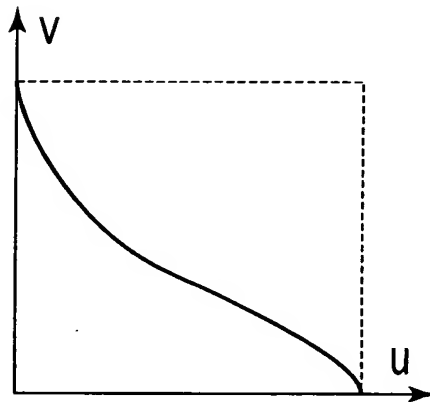


FIG. 6C

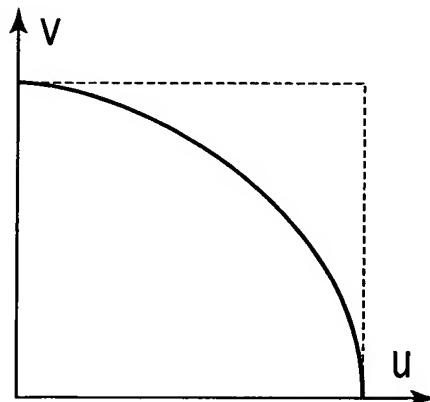


FIG. 7 A

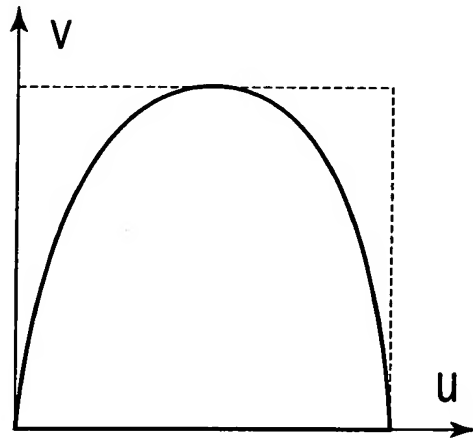


FIG. 7 B

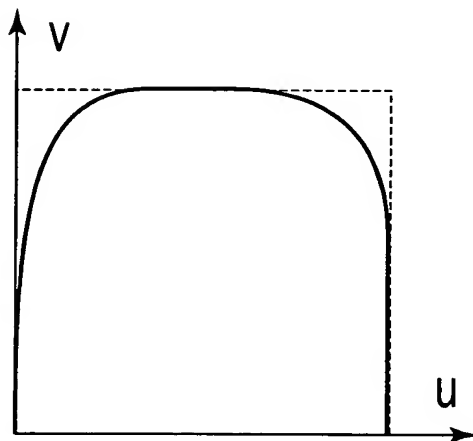


FIG. 8

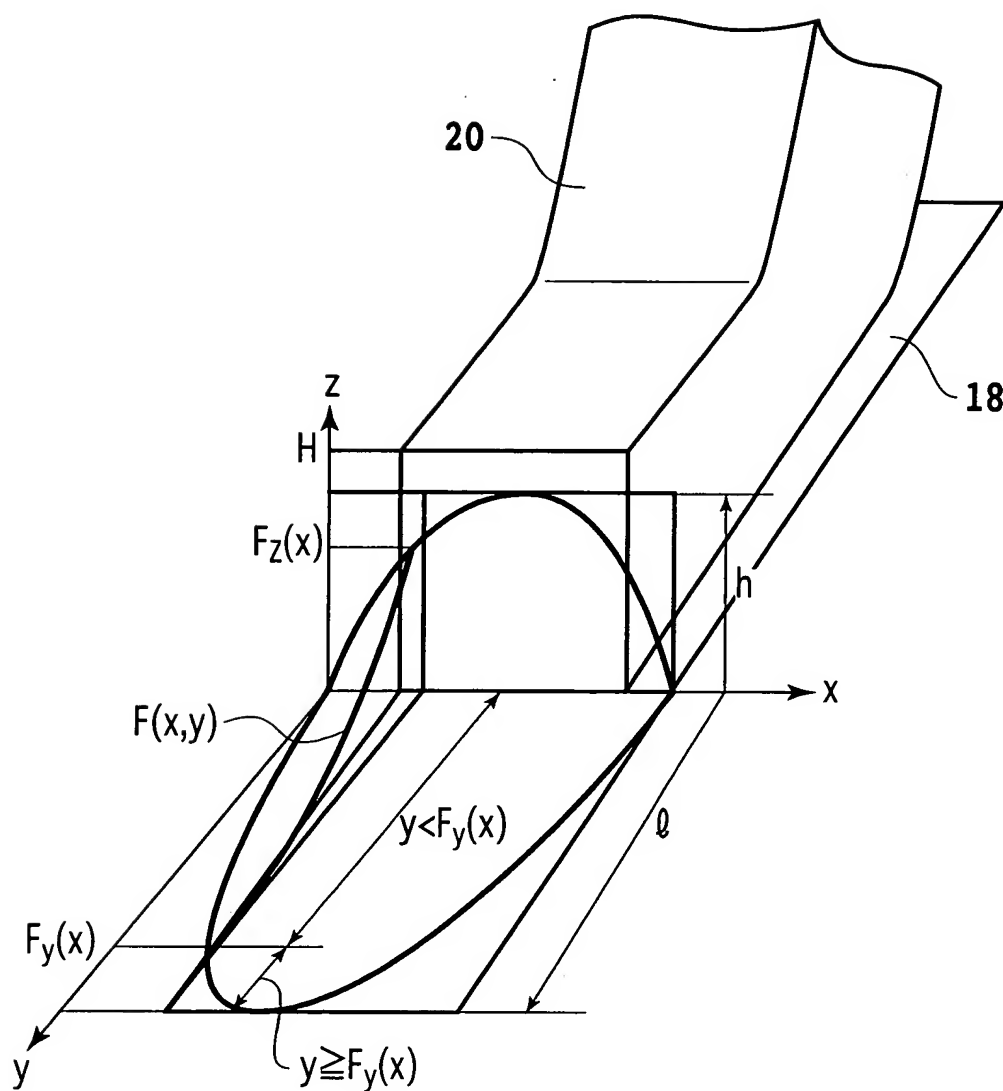


FIG. 9A

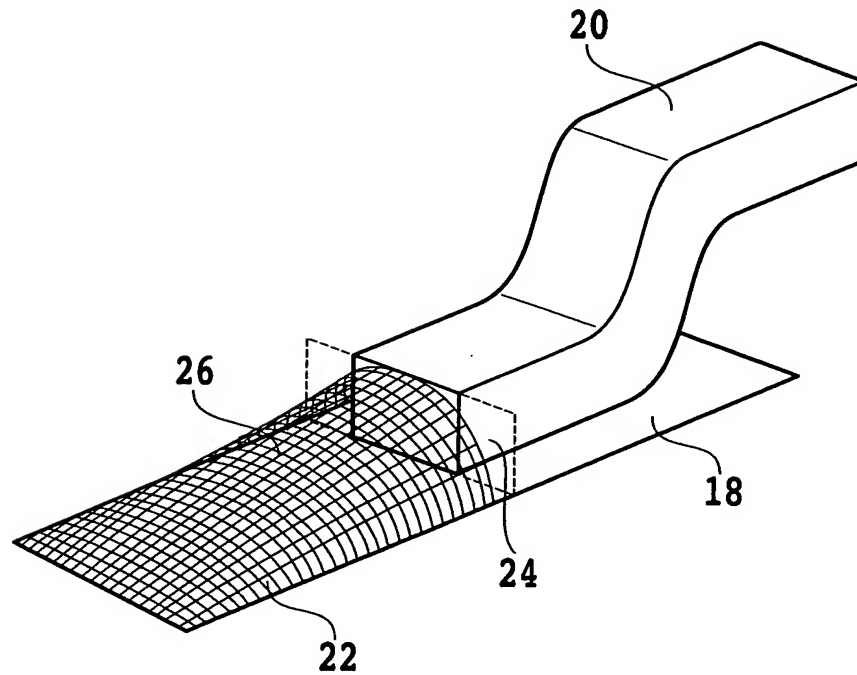


FIG. 9B

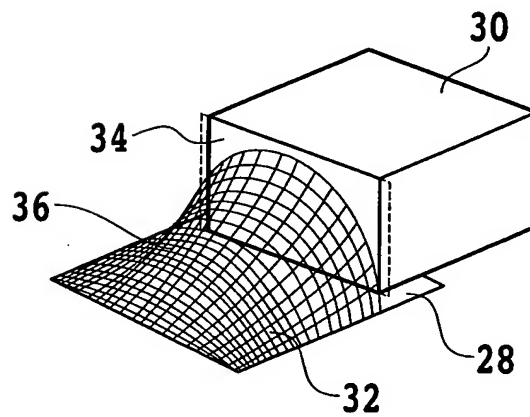








FIG. 10

SOLDER SHAPE TABLE						
LONGITUDINAL DEVIATION	LATERAL DEVIATION	BASIC SHAPE	WICKING RATE	SPREADING RATE	SOLDER AMOUNT	SOLDER SHAPE
0	0	1-1-1	100%	100%	1416	
0	0	2-1-1	100%	100%	1658	
0	0	3-1-1	100%	100%	2883	
0	0	4-1-1	40%	100%	1460	
-5	0	2-1-1	100%	100%	1410	
0	0	5-1-1	100%	100%	397	

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FIG. 11

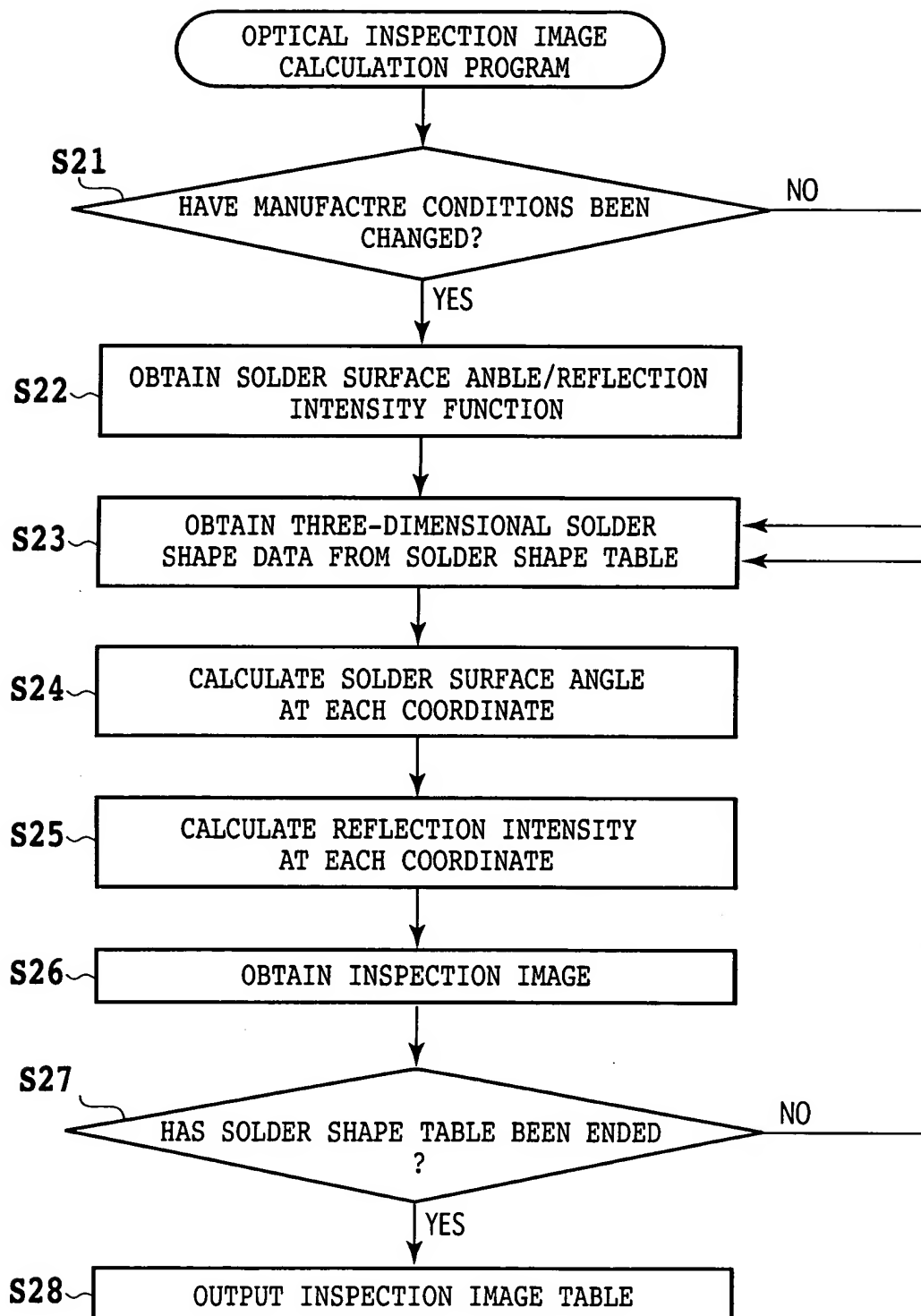


FIG. 12

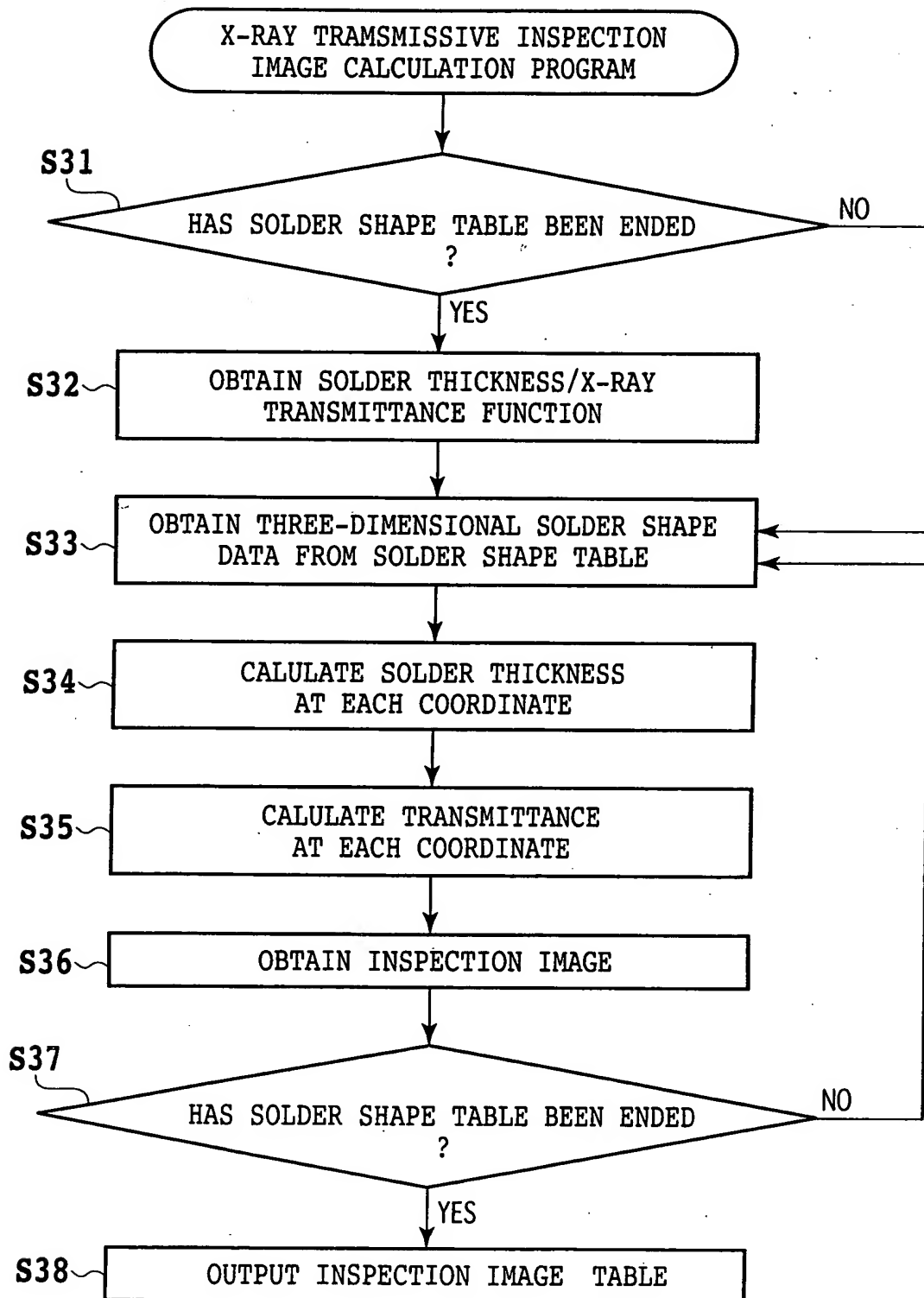


FIG. 13

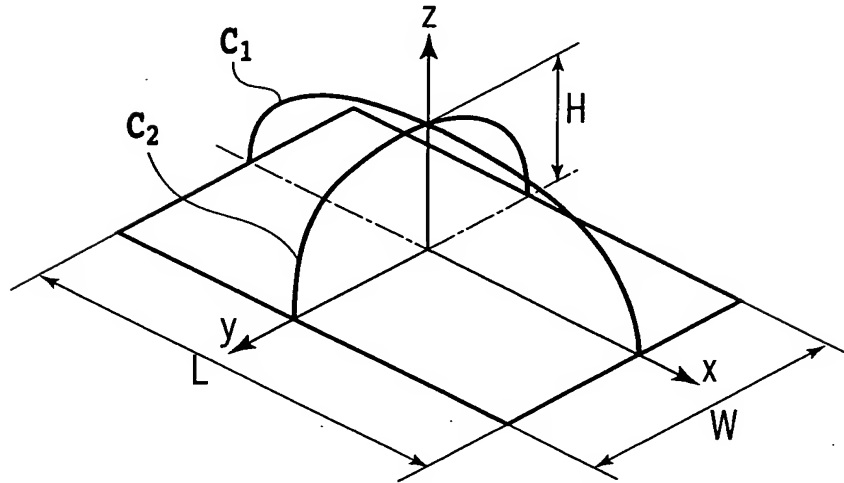


FIG. 14

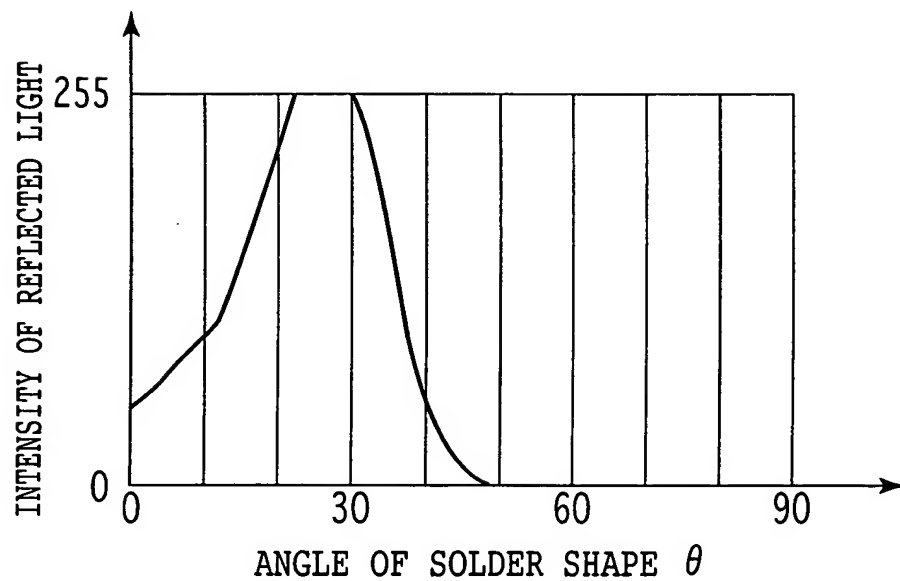
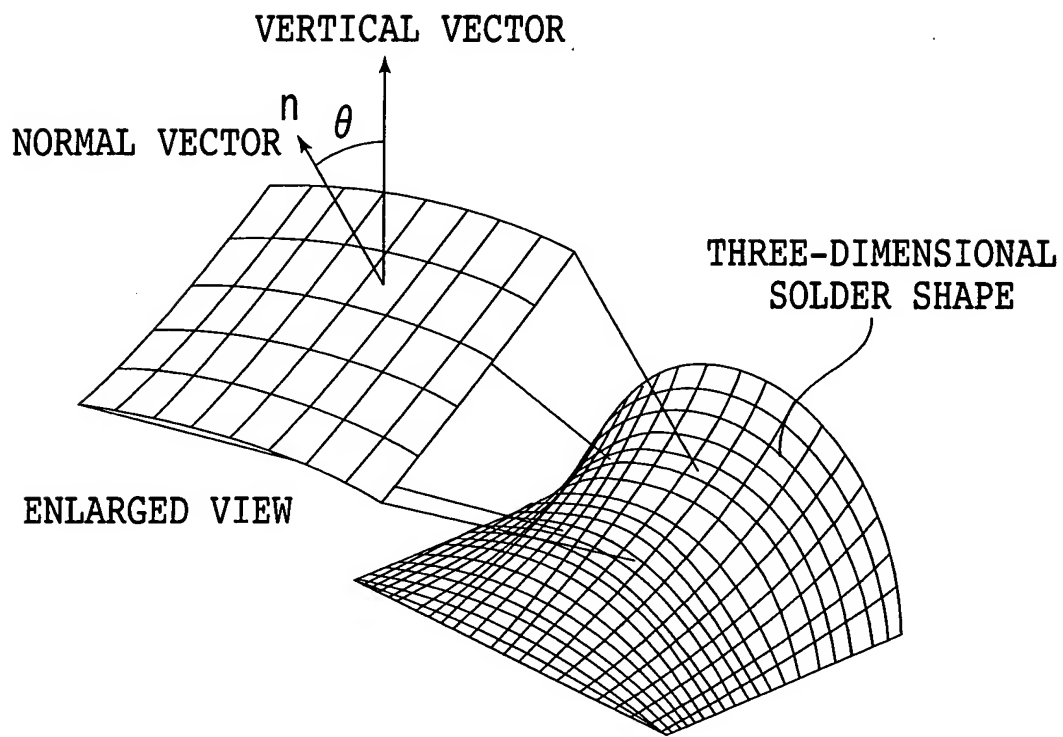


FIG. 15



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FIG. 16 A

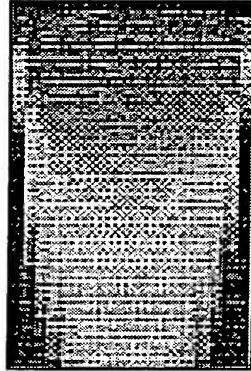
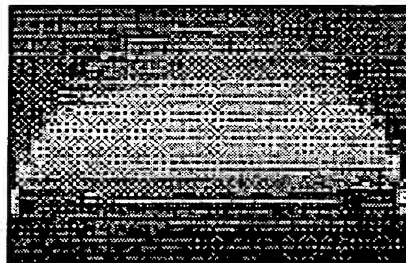


FIG. 16 B



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FIG. 17 A

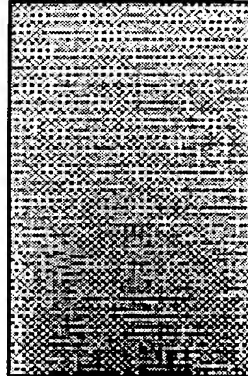


FIG. 17 B

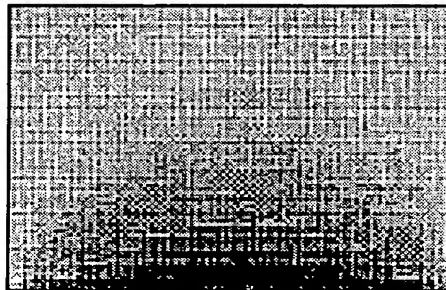


FIG. 18

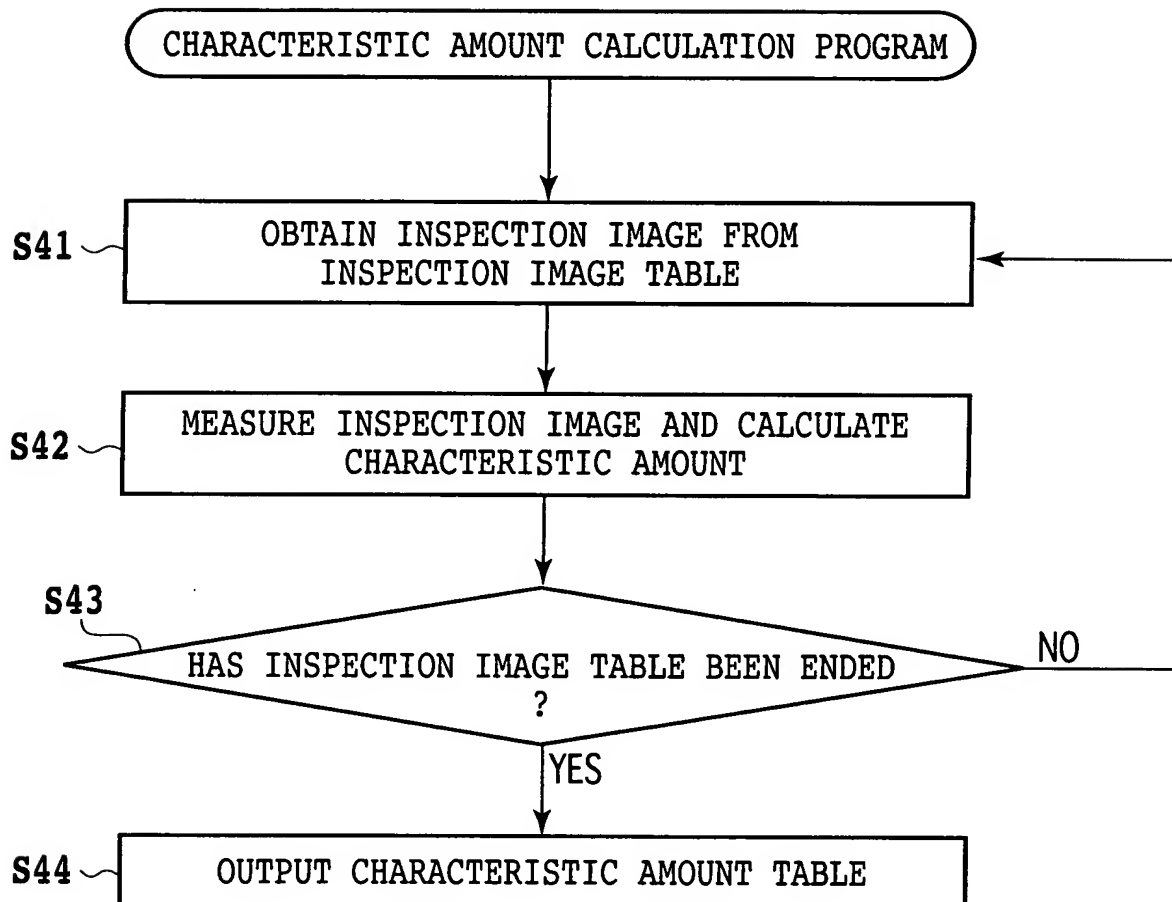


FIG. 19

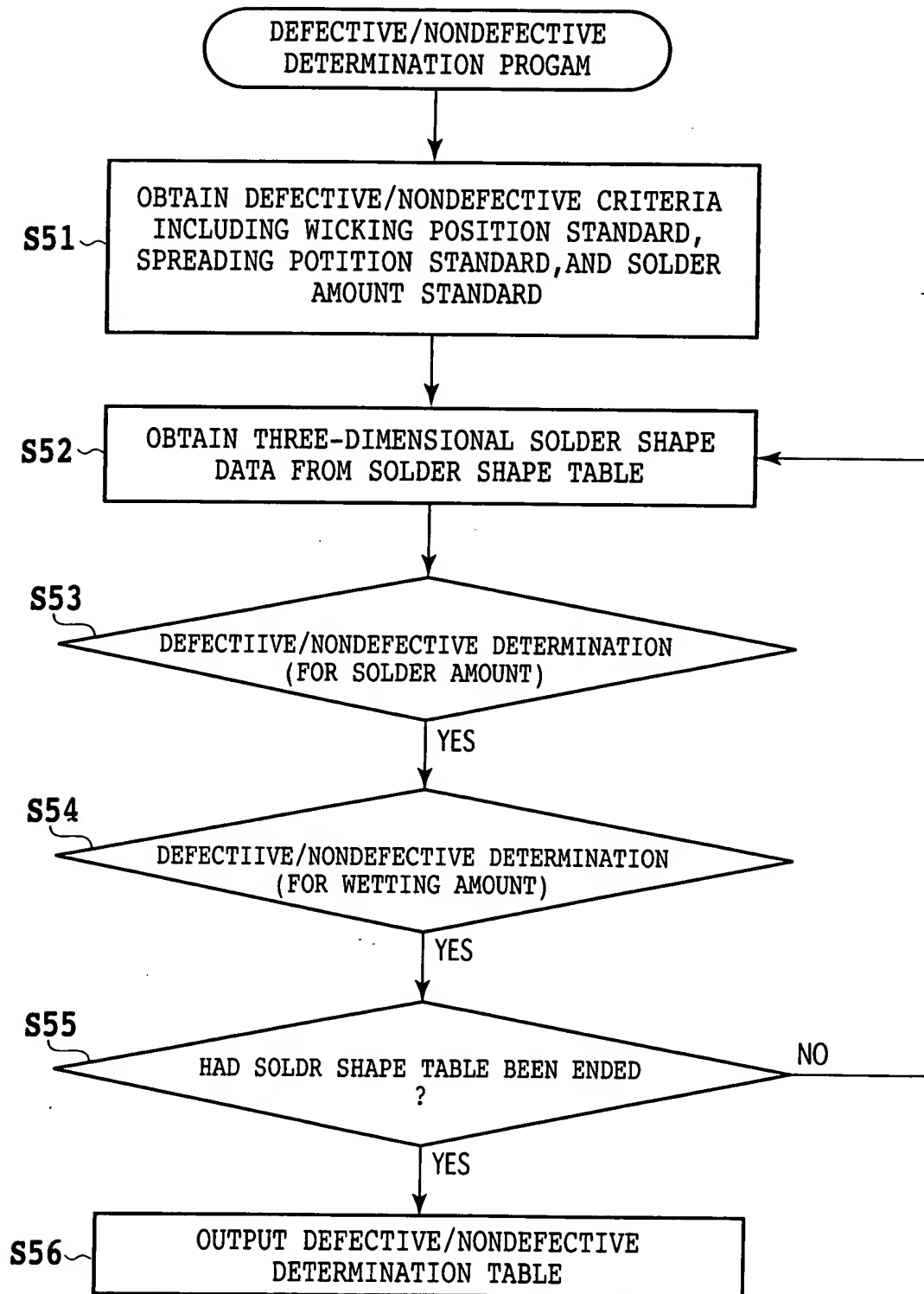








FIG. 20

INSPECTION IMAGE TABLE		CHARACTERISTIC AMOUNT TABLE		DEFECTIVE/NONDEFECTIVE DETERMINATION TABLE		
INSPECTION IMAGE	MEASURED VALUE 1	...	MEASURED VALUE n	SHORT SOLDER	EXCESS SOLDER	WETTABILITY
	91	...	60	○	○	○
	44	...	13	○	○	○
	9	...	0	○	POOR	○
	59	...	13	○	○	POOR
	50	...	32	○	○	○
	100	...	0	POOR	○	○